FLIGHT PLANNING
LESSON #105

ROUTE SELECTION

- Enroute Preferred Routes
- Wall Planning Charts Low Altitude
- Off Airways Direct Legs

PREFERRED IFR ROUTES

- Guide pilots in planning flights.
- Minimize route changes.
- Aid in the orderly management of air traffic.

U.S. CRUISING ALTITUDES

- **Controlled Airspace (IFR)**
  - **As assigned by ATC**
- **Uncontrolled (IFR)**
  - **Eastbound: 0 - 179 deg., ODD Thousand**
  - **Westbound: 180 - 359 deg., Even Thousand**
- **VFR (above 3K)**
  - **East is Odd, West is Even + 500’**

IFR SUPPLEMENT

WILLOW GROVE NAS, PA KNXX N (AFRES AF ANG)

UTC -5(-4DT) H-61, L-24G-28G

RWY - 15 L6,7,8,9,13-----(8002x200 ASP/CON S95 T161 ST175)------L6,7.8.9.10
RWY-33 E-5 (115' OVRN) E-28 (1380)----------E-28 (1332') E-5

SERVICE - LGT - Opr SS - 0400Z++. A Gear - E-5 rating - 15 360 HW (DRY) All E-28(B) in raised posn exc short fld ldg rwy. 20 min PN rqr. JASU - 9 2(MA-1A) ltd F4 starting capability. FUEL - (No fuel avbl 0400-1200Z++ dly Priority fueling est. for rserv training Fri-Sun) J4 0-133 - 156 SP LHOX TRAN ALERT - Ltd. trans srvc avabl dur opr hrs. No hgr space avbl .

REMARKS - Opr 1200-0400Z++. RSTD - PPR 24 hr PN, V991-6211. C215 CAUTION - Numerous civ acft opr to/frm 2 civ arpt and 6 heliports within the Willow Grove NAS Arpt Tfc. Area. Simultaneous copter opr conducted W of Rwy 15-33. Bird Haz in spring and fall. Tran hvy jet practice apch rstd. **MISC -**See FLIP AP/1, **Supplementary Arpt Rmk. Wx fcst avbl opr hr.**

COMMUNICATIONS - SFA ATIS - 275.6 **FSS - WILLIAMSPORT IPT**
PHILADELPHIA APP CON - (R) (E) 123.8 266.8x 291.7 325.2x
TWR -(E) 119.6 340.2 **GND**/CLR DEL - 121.8 380.8 **BASE OPS** 306.8

NAVAIDS - TACAN - (T) NXX CH61 40 11.7N 75 08.8W At fld 360/10 00w 1200-0400Z++. NDB - (MH) 275.6 NXX 74 08.8W 40 11.7N at fld. NM to WarnmingsterNAWC 350/12 00"W Opr and monitored 1200-0400+**+.**

ILS/RADAR - RADAR - See terminal FLIP for radar minima.

NOTAM SYSTEM

U. S. Department of Transportation

Federal Aviation Administration

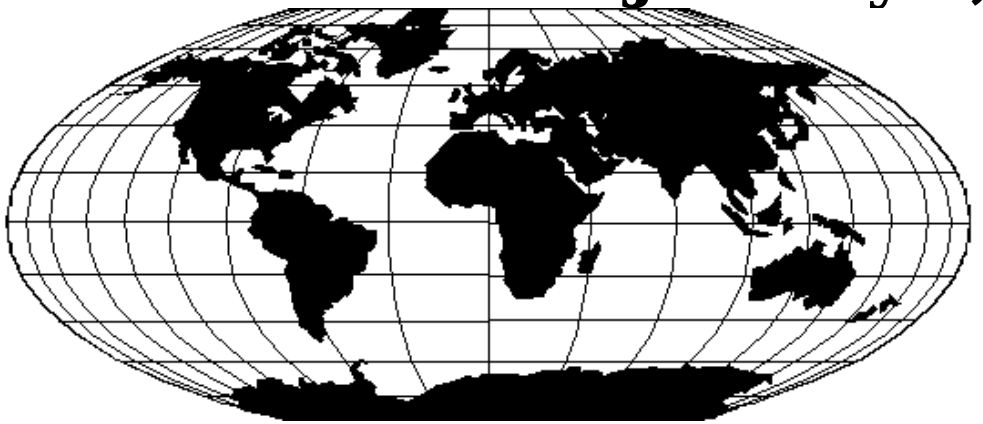
NOTICES TO AIRMEN

Domestic/International

December 5, 1996

NEXT ISSUE

January 2, 1997



FOREIGN CLEARANCE GUIDE

DEPARTMENT OF DEFENSE

FOREIGN CLEARANCE GUIDE

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10 MAR 99

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FLIGHT INFORMATION PUBLICATION
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LOW ALTITUDE UNITED STATES

AIRPORT DIAGRAMS
INSTRUMENT APPROACH PROCEDURES
MILITARY STANDARD INSTRUMENT DEPARTURES
RADAR INSTRUMENT APPROACH MINIMUMS

EFFECTIVE 2 JAN 97
TO 30 JAN 97

CONSULT NOTAMS FOR LATEST INFORMATION

TERMINAL CHANGE NOTICE
TCN

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EFFECTIVE **20 JUN 96**
TO 15 AUG 96
TCN EFFECTIVE 18 JUL 96

Consult NOTAMS for latest information

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APPROACH PLATES

- Non standard takeoff mins
- Airport Diagrams
- Instrument approach procedures
- SID’s
- PAR/ASR approach minimums

COMMON FLIGHT PLANS

- VFR
- IFR (point to point)
- IFR (stopover and/or enroute delay)
- Formation
- Abbreviated
- VFR ON TOP

VFR Flight Plan

	DATE	AIRCRAFT CALL SIGN	AIRCRAFT DESG AND TD CODE
	01 Jan 97	VV NA 613	H-3/P

BASE OPERATIONS USE

	TYPE FLT PLAN	TRUE AIRSPEED	POINT OF DEPT	PROPOSED DEPARTURE TIME (z)	ALTITUDE	ROUTE OF FLIGHT	TO	ETE
	V	100	BRK	1300	35	IPL BZA	NYL	1+30

REMARKS

RANK AND HONOR CODE

FUEL ON BOARD	ALTN AIRFIELD	ETE TO ALTN	NOTAMS	WEATHER	WT AND BALANCE	AIRCRAFT SERIAL NUMBER, UNIT, AND HOME STATION
[redacted]	[redacted]	[redacted]	✓	FLIMSY # ON FILE		000001 HC-1 NAS BEDROCK

SIGNATURE OF APPROVAL AUTHORITY	CREW/PASSENGER LIST	ACTUAL DEPT TIME	BASE OPERATIONS USE
[signature]			

DUTY	NAME AND INITIALS	RANK	SSN	ORGANIZATION AND LOCATION
PILOT IN COMMAND	RUBBLE, BARNEY	LT	123-45-6789	HC-1/BRK/USN

IFR POINT TO POINT

	DATE	AIRCRAFT CALL SIGN	AIRCRAFT DESG AND TD CODE
	10 FEB 97	VVBR	42 F

BASE OPERATIONS USE

	TYPE FLT PLAN	TRUE AIRSPEED	POINT OF DEPT	PROPOSED DEPARTURE TIME (z)	ALTITUDE	ROUTE OF FLIGHT	TO	ETE
	I	100	NGU	1400	20	NGU 3 . CCV V-1 CYN SOLLY		

REMARKS

RANK AND HONOR CODE

FUEL ON BOARD	ALTN AIRFIELD	ETE TO ALTN	NOTAMS	WEATHER	WT AND BALANCE	AIRCRAFT SERIAL NUMBER, UNIT, AND HOME STATION
3+00		N/A	N/A		FLIMSY #	ON FILE NGU 107634 /

SIGNATURE OF APPROVAL AUTHORITY	CREW/PASSENGER LIST	ACTUAL DEPT TIME	BASE OPERATIONS USE

DUTY	NAME AND INITIALS	RANK	SSN	ORGANIZATION AND LOCATION
PILOT IN COMMAND	HINGE H.D.		LCDR	001-01-0101

FORMATION

	DATE	AIRCRAFT CALL SIGN	AIRCRAFT DESG AND TD CODE
	03 March 97	VV BT	14 2

BASE OPERATIONS USE

	TYPE FLT PLAN	TRUE AIRSPEED	POINT OF DEPT	PROPOSED DEPARTURE TIME (z)	ALTITUDE	ROUTE OF FLIGHT	TO	ETE
	I	120	NGP	1300	30	BOOM4 . COPAN V-20 MSY	HRV	222022

REMARKS

RANK AND HONOR CODE

FUEL ON BOARD	ALTN AIRFIELD	ETE TO ALTN	NOTAMS	WEATHER	WT AND BALANCE	AIRCRAFT SERIAL NUMBER, UNIT, AND HOME STATION
4+00	N/A		N/A ✓		FLIMSY # ON FILE NGP	15703

SIGNATURE OF APPROVAL AUTHORITY	CREW/PASSENGER LIST	ACTUAL DEPT TIME	BASE OPERATIONS USE

DUTY	NAME AND INITIALS	RANK	SSN	ORGANIZATION AND LOCATION
PILOT IN COMMAND	MINEBLOW U.P.		LCDR	001-02-0003

VFR-ON-TOP

	DATE	AIRCRAFT CALL SIGN	AIRCRAFT DESG AND TD CODE
	04 March 97	VV HK	412

BASE OPERATIONS USE

	TYPE FLT PLAN	TRUE AIRSPEED	POINT OF DEPT	PROPOSED DEPARTURE TIME (z)	ALTITUDE	ROUTE OF FLIGHT	TO	ETE
	I	120	NRB	1300	OTP35	CRG V267 PHK V-51 MIA V157 EYW		

REMARKS

NRB- REQUEST RADAR VECTORS
NQX- S

RANK AND HONOR CODE

FUEL ON BOARD	ALTN AIRFIELD	ETE TO ALTN	NOTAMS	WEATHER	WT AND BALANCE	AIRCRAFT SERIAL NUMBER, UNIT, AND HOME STATION
4+00	N/A		√N/A		FLIMSY #	ON FILE NRB 123456/HS

SIGNATURE OF APPROVAL AUTHORITY	CREW/PASSENGER LIST	ACTUAL DEPT TIME	BASE OPERATIONS USE

DUTY	NAME AND INITIALS	RANK	SSN	ORGANIZATION AND LOCATION
PILOT IN COMMAND	LOBOTTO M.E.		LCDR	251-93-9999

VFR Flight Plan

	DATE	AIRCRAFT CALL SIGN	AIRCRAFT DESG AND TD CODE
	05 May 97	VV	NW 03

BASE OPERATIONS USE

	TYPE FLT PLAN	TRUE AIRSPEED	POINT OF DEPT	PROPOSED DEPARTURE TIME (z)	ALTITUDE	ROUTE OF FLIGHT	TO	ETE
	V		NZY		1300	LOCAL		

REMARKS

RANK AND HONOR CODE

FUEL ON BOARD	ALTN AIRFIELD	ETE TO ALTN	NOTAMS	WEATHER	WT AND BALANCE	AIRCRAFT SERIAL NUMBER, UNIT, AND HOME STATION
3+00	N/A		√ N/A		FLIMSY #	ON FILE 1576

SIGNATURE OF APPROVAL AUTHORITY	CREW/PASSENGER LIST	ACTUAL DEPT TIME	BASE OPERATIONS USE

DUTY	NAME AND INITIALS	RANK	SSN	ORGANIZATION AND LOCATION
PILOT IN COMMAND	Howard, Moe		LT	001-02-0003

ENROUTE/STOPOVER DELAY

	DATE	AIRCRAFT CALL SIGN	AIRCRAFT DESG AND TD CODE
	06 Jan 97	VV RA	621

BASE OPERATIONS USE

	TYPE FLT PLAN	TRUE AIRSPEED	POINT OF DEPT	PROPOSED DEPARTURE TIME (z)	ALTITUDE	ROUTE OF FLIGHT	TO	ETE
	I	100	NZY	1000	40	NASNI . 2 MZB V-27 LAX KRAFF (NTD31		
	I	100	NTD	1235	50	LAX V-27 SXC FYTER (NZJ 146015) NZJ		
						R D 0+45 NZJ NZY		
	I	100	NZJ	1425	50	DAMPS V-23 MZB SKATE		
						(5+00 NKX 0+30)		

REMARKS

NTD, NZJ - REQUEST RADAR DEPARTURE
NTD - S

1+20 ETE TO NTD
0+15 APP TO NTD
1+00 STOPOVER
1+05 ETE TO NZJ
0+45 DELAY

0+50 ETE - NZY
0+15 APP - NZY
5+30 TOTAL

VOID TIME 6+00

RANK AND HONOR CODE

FUEL ON BOARD	ALTN AIRFIELD	ETE TO ALTN	NOTAMS	WEATHER	WT AND BALANCE	AIRCRAFT SERIAL NUMBER, UNIT, AND HOME STATION
5+00	NZJ		1+20		FLIMSY #	ON FILE NZY 16409

SIGNATURE OF APPROVAL AUTHORITY	CREW/PASSENGER LIST	ACTUAL DEPT TIME	BASE OPERATIONS USE

DUTY	NAME AND INITIALS	RANK	SSN	ORGANIZATION AND LOCATION
PILOT IN COMMAND	HUN, ATTILA T.		CDR	134-96-9567

FAA FLIGHT PLAN

U.S. DEPAR OF TRANSPORTATION FAA **FLIGHT PLAN**	(FAA USE ONLY)	PILOT BRIEF	VNR TIME STARTED STOPOVER	SPECIALIST IN T

1. TYPE	2. AIRCRAFT ID	3. AIRCRAFT TYPE	4. TRUE AIRSEED	5. DEPARTURE PT.	6. DEPTURE TIME		7. CRUISING ALTITUDE
					PROPOSED	ACTUAL	
VFR							
IFR							
DVFR			KTS				

8. ROUTE OR FLIGHT

9. DESTINATION	10. EST. TIME ENROUTE		11. REMARKS

12. FUEL ON BOARD		13. ALTERNATES	14. PILOT'S NAME, ADDRESS & TELEPHONENUMBER ON BOA
HRS	MIN		17. DESTINATION CONTACT/TELEPHONE

16. COLOR OF AIRCRAFT

CIVIL AIRCRAFT PILOTS. FAR 91 requires you to file an IFR flight plan to operate under instrument
controlled airspace. Failure to file could result in a maximum civil penalty not to exceed $1,000 for ea
Filing of a VFR flight plan is recommended as a good operating practice.

ICAO FLIGHT PLAN

7. AIRCRAFT IDENTIFICATION	8. FLIGHT RULES	TYPE OF FLIGHT
VV RA 615	I	M

9. NUMBER	TYPE OF AIRCRAFT	WAKE TURB CAT	10. EQUIPMENT
	H-60	M	U,T,V,H

13. DEPARTURE AERODROME	TIME
ZZZZ	2030

15. CRUISING SPEED	LEVEL	ROUTE
N120	A005	N2305 / E 5200, KUWAIT, SHATT

EL ARAB BASRA BAGHDAD BASRA KUWAIT N 2305 / E 5200

16. DESTINATION AERODROME	TOTAL ETE	ALTN AERODROME	2ND ALTN
ZZZZ	3+00		

18. OTHER INFORMATION

DEP/ USS SHIP

DEST / USS SHIP

ICAO FLIGHT PLANNING

[BLOCK 18 CONTINUED FROM OTHER SLIDE]

NOT FOR TRANSMISSION

19.

ENDURANCE PERSONS ON BOARD EMERGENCY AND SURVIVAL EQUIPMEN

FUEL/ 4+00 → POB → 4 RDO → 121.5 → 243 → 500

TYPE OF EQUIPMENT LIFE JACKETS RADIO FREQUENC

POLAR DESERT MARITIME JUNGLE GLOBAL JACKETS LIGHT EL

DINGHIES COLOR NUMBER TOTAL CAPACITY OTHER EQUIPMENT

→ COVER → RMK

REMARKS AIRCRAFT SERIA

CREW LIST ATTACHED LOCATED AT:
PASSENGER ATTACHED LOCATED AT:
MANIFEST

PILOT IN COMMAND APPROVING AUTHORITY HOME STATION

SHIP TO SHORE/ SHORE TO SHIP

For flights to ships offshore, landing intended PIC shall:

- **IFR: File DD-175**
- **VFR: File abbreviated DD-175 or, daily flight schedule will suffice**

FORWARD FLT PLANS (CIVIL AIRFIELD)

- File flight plans with nearest FSS via:
  - Foreign Exchange (FX)
  - Inter Phone (Hot Line)
  - Commercial Telephone (1-800-WX-BRIEF)

FORWARDING FLIGHT PLANS

- **If unable to establish link**
  - **File by radio after getting airborne**

*** Not authorized if it will involve IFR flight in controlled airspace.**

The End
lesson 105